

# WATERSPOUTS, OCTOBER 29, 1934, BUFFALO, N. Y., HARBOR

A waterspout was seen over Lake Erie outside the outer break wall, from the Weather Bureau Office, at 11:30 a. m. It appeared to move rapidly from northwest to southeast, at a distance of approximately 2 miles from the Telephone Building. The funnel cloud was very distinct, being darker than the surrounding clouds, and merged above into the low cloud mass that covered the sky. It was of very small diameter, but extended upward from the water several hundred feet. From our point of observation at the Telephone Building, the violent agitation of the water by the funnel cloud was plainly seen. The white spray seemed to extend upward a number of feet. I doubt if the phenomenon lasted over 10 to 15 minutes, although we did not see it at the beginning. Three hours before the waterspout formed, the sky over a large part of Buffalo was inky black. I never saw a blacker sky,

but the clouds passed along eastward, giving only moderate squalls of rain and snow.

During the hour between 11 a. m. and noon, the wind blew 49 minutes from the west and 11 from the southwest. The average velocity for the hour was 26 miles from west and the maximum wind for the hour was 28 miles from west at 11:37 a. m. The barometer was steady from 8 a. m. to 2 p. m. (29.76 inches reduced). Clouds were nearly 10/10 st. cu. from the west during the hour from 11 a. m. to noon. There was no line squall.

The lookout on duty at the Coast Guard reports that he saw 3 other waterspouts (4 in all) between 11 a. m. and 11:40 a. m., the one around 11:30 a. m. being the largest.

The last previous waterspout to be seen from our windows at Buffalo occurred on September 27, 1928.—*J. H. Spencer.*

## BIBLIOGRAPHY

C. FITZHUGH TALMAN, *in charge of Library*

### RECENT ADDITIONS

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

#### Ashworth, James Reginald

Smoke and the atmosphere; studies from a factory town. (Manchester.) Manchester university press. 1933. xii, 131 p. incl. illus. (map), tables, diagrs. 22 cm. (Observations and experiments made in Rochdale, Lancashire.) "References": p. 125-126.

#### McAdie, Alexander George

Fog. New York, The Macmillan company. 1934. 23 p. front., 52 pl. on 37 l. 30½ cm. "Plates from 'Clouds', McAdie, Harvard university press, 1930."

#### Stetson, Harlan True

Earth, radio and the stars. New York, Whittlesey house, McGraw-Hill book company, inc. 1934. xvii, 336 p. col. front., illus., plates, map, diagrs. 21 cm. "First edition." Bibliography: p. 311-321.

#### Theaman, John R.

The Bahama islands. Mean monthly and annual precipitation tables. (International meteorological series.) Indianapolis. 1933. unpag. frontis. map, tables, 22½ x 13½ cm. Mean monthly and annual precipitation tables for stations in Siam. (International meteorological series.) Indianapolis. 1933. unpag. frontis. map, tables. 18½ cm. (Climatological paper no. 60.)